

3.0 Level 2 Screening Analysis Process

The Level 2 Screening Analysis qualitatively evaluates all six (6) alternatives recommended for future consideration as part of the Level I Screening Analysis and Advisory Committee and public meetings held in conjunction with this project for improvement of the SR 302 corridor between Elgin Clifton Road and SR 16 (see Appendix B).

The intent of the Level 2 Screening Analysis is to identify which of the alternatives evaluated are recommended for further consideration as part of the NEPA process for improving roadway safety, mobility, and capacity of the SR 302 corridor in the Key Peninsula area. This technical memorandum documents the process used in recommending which alternatives move forward to the NEPA process:

The Level 2 process assessed the following factors for each of the six (6) alternatives (see Appendix C):

- Operations and Safety on State Route 302
- Operations and Safety on Local Roads
- Archaeological/Cultural/4(f)/Land Use
- Relocation/Economic/Environmental Justice
- Wetlands/Wildlife & Terrestrial Habitat
- Fish/Surface Water/Aquatics Habitat
- Project Schedule/Phasing
- Improve Travel Time

4.0 Background Data Collection

Existing information such as flood plain and environmental mapping was gathered from the WSDOT GeoDatabase and limited site visits were conducted for each alternative location for use in conducting the Level 2 assessment. Additional fieldwork, including geotechnical site investigation and environmental assessment will be conducted during the development of the Draft Environmental Impact Statement.

The following information was also used in assessing the Level 2 alternatives:

- Geological hazards (WSDOT GeoDatabase, Pierce County Steep Slopes, Landslide Hazard Areas).

- Water resources information including streams, rivers, lakes, and associated floodplains (WSDOT GeoDatabase).
- Groundwater, Critical Aquifer Recharge Areas, and Sanitary Control Areas (WSDOT GeoDatabase, Washington State Department of Health).
- Historic places, trails, and parks (WSDOT GeoDatabase, Washington State Department of Archaeology and Historic Preservation, and Pierce and Kitsap County Parks and Trails).
- Wetland systems (WSDOT GeoDatabase, National Wetlands Inventory).
- Cultural and historical resources (WSDOT GeoDatabase).
- Land use designations (Pierce and Kitsap GIS Maps).
- Environmental justice populations (Census Data).
- Fish and wildlife habitat (Washington Department of Fish and Wildlife maps).
- Corridor traffic evaluation (prepared by HDR Engineering).